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PATENT  
Docket No. 171-583P

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Fumie SATO  
Serial No.: 08/913,218 Group: Unknown  
Filed: September 8, 1997 Examiner: Unknown  
For: TITANIUM CATALYST AND ORGANOTITANIUM REACTING  
REAGENT PRODUCTION THEREOF, AND REACTION THEREBY

**LETTER SUBMITTING ENGLISH TRANSLATION OF  
INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

Assistant Commissioner of Patents **RECEIVED** February 27, 1998  
Washington, DC 20231

Sir:

MAR - 4 1998

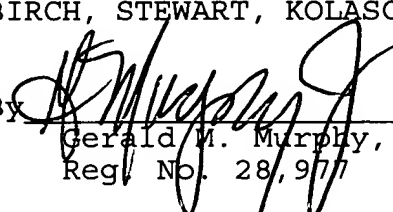
Enclosed is an English translation of the International Preliminary Examination Report which issued in International Application No. PCT/JP96/00578, corresponding to the above-identified U.S. application.

Should the Examiner have any questions regarding this matter, he is respectfully requested to contact the undersigned at (703) 205-8000.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By

  
Gerald W. Murphy, Jr.  
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GMM/CAM/las

Enclosure: International Preliminary Examination Report

## PATENT COOPERATION TREATY

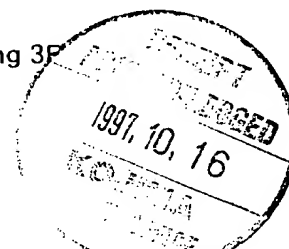
**PCT**  
**NOTIFICATION OF TRANSMITTAL**  
**OF COPIES OF TRANSLATION**  
**OF THE INTERNATIONAL PRELIMINARY**  
**EXAMINATION REPORT**

(PCT Rule 72.2)

From the INTERNATIONAL BUREAU

To:

KOJIMA, Takashi  
 Ginza Morisawa Building 3F  
 13-19, Ginza 2-chome  
 Chuo-ku  
 Tokyo 104  
 JAPON



<b>Date of mailing (day/month/year)</b> 01 October 1997 (01.10.97)	<b>IMPORTANT NOTIFICATION</b>
<b>Applicant's or agent's file reference</b> FAP - 1718	
<b>International application No.</b> PCT/JP96/00578	<b>International filing date (day/month/year)</b> 08 March 1996 (08.03.96)
<b>Applicant</b> NISSAN CHEMICAL INDUSTRIES, LTD. et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

EP,AU,CA,CN,CZ,NO,RO,RU,SK,US

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

HU,JP,KR,UA

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

**It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.**

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. (41-22) 740.14.35	Authorized officer  Sean Taylor <i>SA Taylor</i>  Telephone No. (41-22) 338.83.38
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# PATENT COOPERATION TREATY

## PCT

## TRANSLATION

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FAP-1718		<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP 96/00578	International filing date (day/month/year) 08.03.96	Priority date (day/month/year) 10.03.95	
International Patent Classification (IPC) or national classification and IPC B01J31/22, C07C2/86, C07D209/52, C07F7/08			
Applicant NISSAN CHEMICAL INDUSTRIES, LTD.			

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of _____ sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of the invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 27.09.96	Date of completion of this report 30.06.97
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/J P 9 6 / 0 0 5 7 8

## I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☒ the international application as originally filed.
- ☐ the description. pages \_\_\_\_\_ . as originally filed.  
pages \_\_\_\_\_ . filed with the demand.  
pages \_\_\_\_\_ . filed with the letter of \_\_\_\_\_ .  
pages \_\_\_\_\_ . filed with the letter of \_\_\_\_\_ .
- ☐ the claims. Nos. \_\_\_\_\_ . as originally filed.  
Nos. \_\_\_\_\_ . as amended under Article 19.  
Nos. \_\_\_\_\_ . filed with the demand.  
Nos. \_\_\_\_\_ . filed with the letter of \_\_\_\_\_ .  
Nos. \_\_\_\_\_ . filed with the letter of \_\_\_\_\_ .
- ☐ the drawings. sheets/fig \_\_\_\_\_ . as originally filed.  
sheets/fig \_\_\_\_\_ . filed with the demand.  
sheets/fig \_\_\_\_\_ . filed with the letter of \_\_\_\_\_ .  
sheets/fig \_\_\_\_\_ . filed with the letter of \_\_\_\_\_ .

## 2. The amendments have resulted in the cancellation of:

- ☐ the description. pages \_\_\_\_\_
- ☐ the claims. Nos. \_\_\_\_\_
- ☐ the drawings. sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

## 4. Additional observations, if necessary:

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/JP 96/00578

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	1 - 24	YES
	Claims		NO
Inventive step (IS)	Claims	1 - 24	YES
	Claims		NO
Industrial applicability (IA)	Claims	1 - 24	YES
	Claims		NO

### 2. Citations and explanations

The inventions of claims 1-24 are neither disclosed in the documents cited in the ISR nor in the documents considered to be relevant to the present inventions, and they are non-obvious to a person skilled in the art.